



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Donald C.D. Chang, et al.

Serial No.: 09/550,505

Filing Date: April 17, 2000

For: COHERENT SYNCHRONIZATION OF
CODE DIVISION MULTIPLE ACCESS
SIGNALS

Art Unit: 2663

Examiner: Derrick W. Ferris

Docket No.: PD-990185

I hereby certify that the correspondence
identified above is being deposited with
the United States Postal Service "Express
Mail Post Office to Addressee" service
under 37 CFR 1.10, **EXPRESS MAIL**
Mailing Number: EF740970360US on
February 4, 2005, and is addressed to:

Mail Stop RCE
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450.
by **Georgann S. Grunebach**

Signature: 

Date: February 4, 2005

Customer No. 020991

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR § 1.97(d)

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed substitute form for PTO/1449, are deemed as material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. It is respectfully requested that the references be considered and made of record in the application identified above.

The documents were cited by the United States Patent Examiners in connection with related assignee's pending patent application serial no's. 09/576,648; 09/584,012; and 09/669,095.

In accordance with § 1.97(e), the undersigned hereby certifies that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.

09550505

02/08/2005 ANAB11 00000061 500383

02 FC:1806 180.00 DA

PAYMENT OF FEE SET FORTH IN § 1.17 (p)

Please charge Deposit Account No. 50-0383 of The DIRECTV Group, Inc. (formally Hughes Electronics Corporation), El Segundo, California in the amount \$180.00. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to that account. This request is submitted in duplicate for charging purposes.

Respectfully submitted,



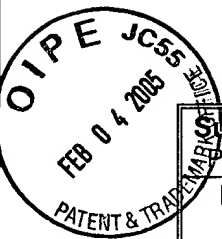
Georgann S. Grunebach, Reg. No. 33,179
Attorney for Applicants

Enclosure: Substitute for Form for PTO-1449 w/copy of required reference

Date: February 4, 2005

The DIRECTV Group, Inc.
RE/R11/A109
P.O. Box 956
2250 E. Imperial Highway
El Segundo, CA 90245-0956

Phone: (310) 964-4615



Supplemental Form PTO-1449 Page 1 of 1	Serial Number 09/550,505	Docket PD-990185
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) Page 1 of 1	Applicant Donald C.D. Chang, et al.	
	Filing Date April 17, 2000	Group 2663

U.S. PATENT DOCUMENTS

	Document Number	Date Issued	Name	Class	Sub Class
	4,255,814	03/10/1981	Osborn, James L.		
	4,718,109	01/05/1988	Breeden, et al.		
	5,155,859	10/13/1992	Harris, et al.		
	5,212,804	05-1993	Choate, Bernard K.		
	5,584,047	12/10/1996	Tuck, Edward F.		
	5,805,983	09/08/1998	Naidu, et al.		
	5,875,402	02/23/1999	Yamawaki, Koji		
	5,899,957	05/04/1999	Loomis, Peter Van Wyck		
	5,974,317	10-1999	Djuknic, et al.		
	6,016,421	01-2000	Weiss, et al.		
	6,067,458	05-2000	Chen, Tao		
	6,094,581	07-2000	Fried, et al.		
	6,308,085	10-2001	Shoki, Hiroki		
	6,507,926	01-2003	Wright, David A.		
	6,529,485	03/04/2003	Agarwal, et al.		
	6,542,754	04/01/2003	Sayers, et al.		
	6,621,801	09-2003	Wright, et al.		
	6,633,590	10/14/2003	Garofalo, et al.		
	6,665,316	12/16/2003	Eidson, John C.		
	6,674,730	01-2004	Moerder, Karl E.		
	6,731,949	05-2004	Hamabe, et al.		
	6,768,906	07/27/2004	Matthews, et al.		
	US-2003-0083103-A1	05/01/2003	Drawert, Bruce M.		
	US-2003-0231613-A1	12/18/2003	Bertrand, et al.		
	US-2004-0032883-A1	12/19/2004	Knapp, et al.		

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Name	Class	Sub Class
	EP 0 182 027 A2	05/28/1986	EPC	Ketterling	H04Q 7/04	
Examiner				Date Considered		